

Team Switch – Scholarship search engine.

1 - The theme of this project is “Custom data structure to Store data.”

2 - Problem Statement:

Conventionally a student is expected to carry out extensive research across different websites before applying to a scholarship program. We aim to provide a one-stop platform catering to all the needs of the user.

3 - Problem Scoping:

The project “Scholarship Search Engine” aims to eliminate the hardships faced by students while searching for scholarships. We aim to create a free scholarship search platform that connects students to scholarships and financial aid tools, providing them assistance to find the best scholarship that suits their needs by providing various filters and sorting options. Students can add their preferred scholarships to a wishlist for future reference. No formal knowledge is needed for the user to use this system(user friendly).

4 - Data structure used:

We have decided to use linked lists as they will help us to keep our data organised and easily accessible. It will also help us in sorting as per filter applications. We will also use queues in order to help the user store those scholarships to which they wish to apply.

5 – Other data structures (not used):

One similar data – type we came across is a set. We decided not to use it as it is unordered and we would not be able to organize or access the data properly using index values.

6 - Current progress:

As we are studying in our first year we have spent the initial days, after our end semester exam, to learn about various data structures in python. We have started coding a small part of the project.

7 - Problems:

Currently we have not come across any major problems.

~ Team Switch

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